# SPYWOLF

## Security Audit Report

Completed on
**January 30, 2023**

# OVERVIEW

This audit has been prepared for **Eva Token** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

"

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

– SPYWOLF Team –

"

# TABLE OF CONTENTS

# Eva Token



## PROJECT DESCRIPTION

**According to their whitepaper:**

Startups and companies are using cryptocurrencies or tokens to raise funds for the development of new technologies, including electric and autonomous vehicles. EVA Token will encourage the idea, in supporting the development of electric and autonomous vehicle technologies and infrastructure.

**Release Date:** Presale starts in February 19th, 2023

**Category:** Eco token

01

# CONTRACT INFO

**Token Name**
Eva Token

**Symbol**
EVA

**Contract Address**
0x90EEeE265528fa9aA620C19d45c644655de1FA81

**Network**
Ethereum

**Language**
Solidity

**Deployment Date**
Jan 30, 2022

**Verified?**
Yes

**Total Supply**
5,000,000,000,000

**Status**
Not launched

# TAXES

Buy Tax
**10%**

Sell Tax
**10%**

*Taxes can be changed in future

# Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

**Blockchain security tools used:**

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

02

SPYWOLF.CO

# TOKEN TRANSFERS STATS

| | |
|---|---|
| **Transfer Count** | 2 |
| **Uniq Senders** | 2 |
| **Uniq Receivers** | 2 |
| **Total Amount** | 10000000000000 EVA |
| **Median Transfer Amount** | 5000000000000 EVA |
| **Average Transfer Amount** | 5000000000000 EVA |
| **First transfer date** | 2023-01-30 |
| **Last transfer date** | 2023-01-30 |
| **Days token transferred** | 1 |

# SMART CONTRACT STATS

| | |
|---|---|
| **Calls Count** | 4 |
| **External calls** | 4 |
| **Internal calls** | 0 |
| **Transactions count** | 4 |
| **Uniq Callers** | 1 |
| **Days contract called** | 1 |
| **Last transaction time** | 2023-01-30 12:26:23 UTC |
| **Created** | 2023-01-30 07:39:23 UTC |
| **Create TX** | 0xffa8077dc62f1f54f72631979b2f68f148a061b b1beed582ad0ea20c472ab92c |
| **Creator** | 0xd0cc1a5dd2fd527aeba4b15017073d60b88 bf07c |

# VULNERABILITY CHECK

| | |
|---|---|
| Design Logic | Passed |
| Compiler warnings. | Passed |
| Private user data leaks | Passed |
| Timestamp dependence | Passed |
| Integer overflow and underflow | Passed |
| Race conditions and reentrancy. Cross-function race conditions | Passed |
| Possible delays in data delivery | Passed |
| Oracle calls | Passed |
| Front running | Passed |
| DoS with Revert | Passed |
| DoS with block gas limit | Passed |
| Methods execution permissions | Passed |
| Economy model | Passed |
| Impact of the exchange rate on the logic | Passed |
| Malicious Event log | Passed |
| Scoping and declarations | Passed |
| Uninitialized storage pointers | Passed |
| Arithmetic accuracy | Passed |
| Cross-function race conditions | Passed |
| Safe Zeppelin module | Passed |
| Fallback function security | Passed |

04

# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

Issues on this level are minor details and warning that can remain unfixed.

## Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

05

# FOUND THREATS

## ⚠️ High Risk

Owner can set auto liquidity swap threshold.
If set to 0, the contract will halt on sell and it will become impossible to sell any tokens.

```solidity
function NumTokenChange(uint256 numTokenAmount) external onlyOwner() {
    numTokensSellToAddToLiquidity = numTokenAmount * 10 ** 18;
}

function _transfer(
    address from,
    address to,
    uint256 amount
) private {
................
uint256 contractTokenBalance = balanceOf(address(this));
bool overMinTokenBalance = contractTokenBalance >= numTokensSellToAddToLiquidity;
if (
    overMinTokenBalance &&
    !inSwapAndLiquify &&
    from != uniswapV2Pair &&
    swapAndLiquifyEnabled
) {
    contractTokenBalance = numTokensSellToAddToLiquidity;
    //add liquidity
    swapAndLiquify(contractTokenBalance);
}

................
}
```

- Recommendation:
  - Ensure that auto swap threshold is always above 1 token.

06-B

# FOUND THREATS

## ⚠️ Low Risk

Owner can change buy/sell fees up to 16%.
Combined buy+sell=32%.

```solidity
function setLiquidityFeePercent(uint256 liquidityFee) external onlyOwner() {
    require(liquidityFee <=4,"Cannot set the fee more than 4%");
    _liquidityFee = liquidityFee;
}

function setTaxFeePercent(uint256 taxFee) external onlyOwner() {
    require(taxFee <=4,"Cannot set the fee more than 4%");
    _taxFee = taxFee;
}

function setMarketingFeePercent(uint256 marketingFee) external onlyOwner() {
    require(marketingFee <=4,"Cannot set the fee more than 4%");
    _MarketingFee = marketingFee;
}

function setBurnFeePercent(uint256 burnFee) external onlyOwner() {
    require(burnFee <=4,"Cannot set the fee more than 4%");
    _BurnFee = burnFee;
}
```

- Recommendation:
    - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.

# ℹ️ Informational

Owner can withdraw any tokens from the contract.

```solidity
function clearStuckBalance(uint256 amountPercentage) external onlyOwner {
    uint256 amountETH = address(this).balance;
    payable(msg.sender).transfer((amountETH * amountPercentage) / 100);
}

function clearStuckTokens(address _tokenContract, uint256 _amount) public onlyOwner {
        IERC20 tokenContract = IERC20(_tokenContract);
        tokenContract.transfer(msg.sender, _amount);
}
```

Owner can set max transaction and wallet limit but cannot lower them than 0.5% of total supply.

```solidity
function setMaxTxAmount(uint256 maxTx) external onlyOwner() {
    require(maxTx >=25000000000,"Cannot set the max txn less than 0.5%");
    _maxTxAmount = maxTx * 10 ** 18;
}

function setMaxWalletTokens(uint256 _maxToken) external onlyOwner {
        require(_maxToken >=25000000000,"Cannot set the max wallet less than 0.5%");
        maxWalletToken = _maxToken * 10 ** 18;
}
```

06-C

# ℹ️ Informational

### Owner can exclude address from fees and max transaction limit.

```solidity
function excludeFromFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = true;
}

function _tokenTransfer(address sender, address recipient, uint256 amount) private {
    if(_isExcludedFromFee[sender] || _isExcludedFromFee[recipient]){
        removeAllFee();
    }
    else{
        require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
    }
.............
}
```

### Owner can exclude address from rewards.

```solidity
function excludeFromReward(address account) public onlyOwner() {
    require(!_isExcluded[account], "Account is already excluded");
    if(_rOwned[account] > 0) {
        _tOwned[account] = tokenFromReflection(_rOwned[account]);
    }
    _isExcluded[account] = true;
    _excluded.push(account);
}
```

06-D

# RECOMMENDATIONS FOR
# GOOD
# PRACTICES

1. Consider fundamental tradeoffs

2. Be attentive to blockchain properties

3. Ensure careful rollouts

4. Keep contracts simple

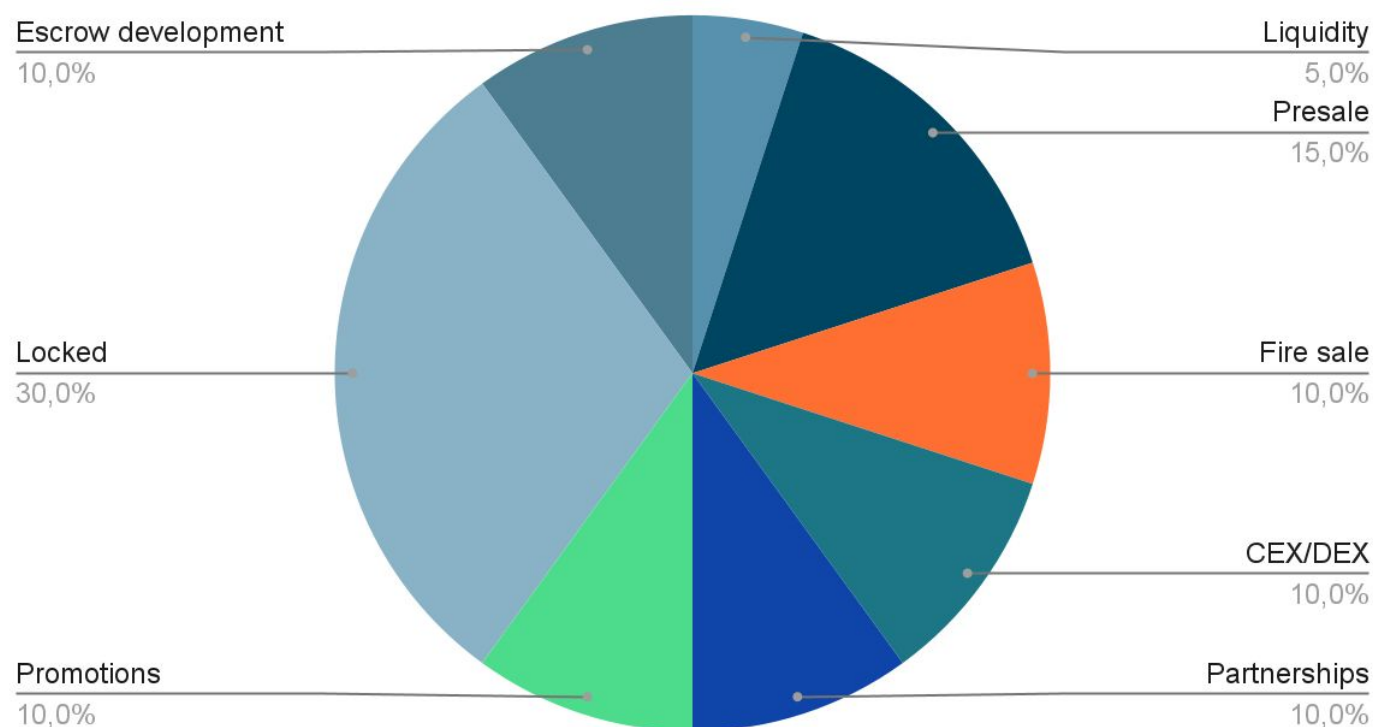5. Stay up to date and track development

## Eva Token
## GOOD PRACTICES FOUND

✓ The owner cannot mint new tokens after deployment

✓ The owner can set a transaction limit, but can't lower it than 0.5% of total supply

✓ The smart contract utilizes "SafeMath" to prevent overflows

07

*The following tokenomics are based on the project's whitepaper and/or website:

- 15% - Presale
- 10% - Fire sale
- 5% - Liquidity
- 30% - Locked

- 10% - Promotions
- 10% - Partnerships
- 10% - CEX/DEX
- 10% - Escrow development

## Tokens distribution

| Category | Percentage |
|---|---|
| Escrow development | 10,0% |
| Liquidity | 5,0% |
| Presale | 15,0% |
| Fire sale | 10,0% |
| CEX/DEX | 10,0% |
| Partnerships | 10,0% |
| Locked | 30,0% |
| Promotions | 10,0% |

# THE TEAM

⚠️ The team is annonymous

## KYC INFORMATION

⚠️ No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.



09

**Website URL**
https://eva-token.com/

**Domain Registry**
https://www.hostinger.com

**Domain Expiration**
Expires on 2024-01-04

**Technical SEO Test**
Passed

**Security Test**
Passed. SSL certificate present

**Design**
Single page design, appropriate color scheme and graphics.

**Content**
The information helps new investors understand what the product does right away. No grammar mistakes found.
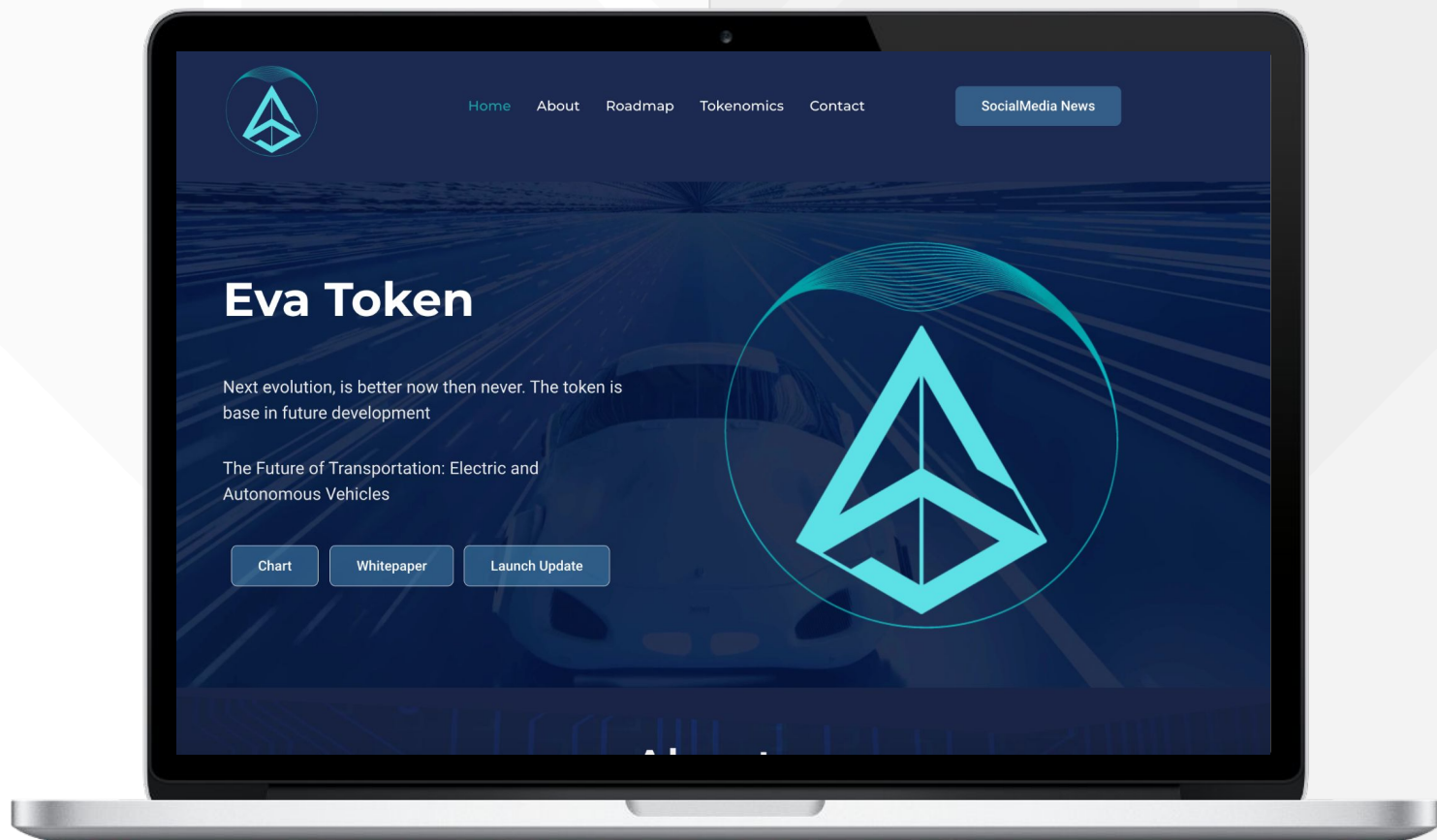
**Whitepaper**
Yes, more detailed information about the token's ecosystem and functionality can be added.

**Roadmap**
Yes, goals set without time frames.

**Mobile-friendly?**
Yes

Home    About    Roadmap    Tokenomics    Contact    SocialMedia News

**Eva Token**

Next evolution, is better now then never. The token is base in future development

The Future of Transportation: Electric and Autonomous Vehicles

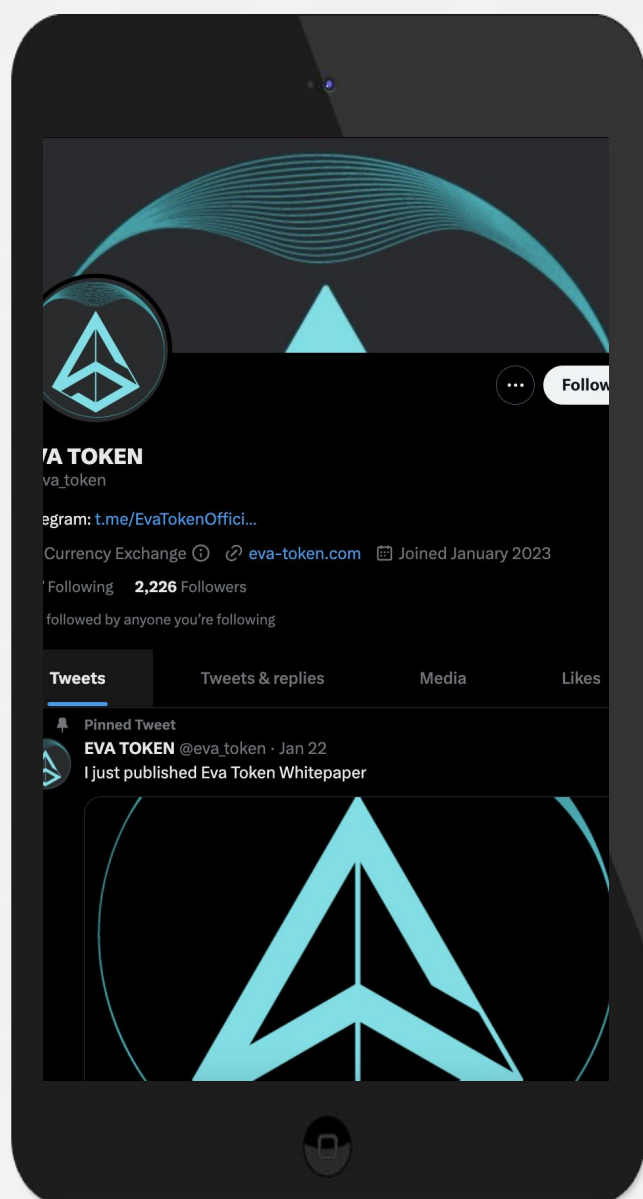Chart    Whitepaper    Launch Update

**eva-token.com**

# SOCIAL MEDIA

## & ONLINE PRESENCE

**ANALYSIS**

Project's social media channels are active, the activity comes from few active members.

## Twitter

@eva_token

- 2 664 followers
- Posts frequently
- Active

## Discord

- Not available

## Telegram

@EvaTokenOfficialCommunty

- 1 301 members
- Few active members
- Active mods

## Medium

- Not available

**11**

# SPYWOLF
## CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✔ OVER 400 SUCCESSFUL CLIENTS
- ✔ MORE THAN 500 SCAMS EXPOSED
- ✔ MILLIONS SAVED IN POTENTIAL FRAUD
- ✔ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✔ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to contact@spywolf.co or t.me/joe_SpyWolf

## FIND US ONLINE

🌐 SPYWOLF.CO

✈ @SPYWOLFNETWORK

🐦 @SPYWOLFNETWORK

12

# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

**DISCLAIMER:**

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

No applications were reviewed for security. No product code has been reviewed.

13